



UNITED STATES MARINE CORPS

MARINE CORPS BASE

PSC BOX 20004

CAMP LEJEUNE, NORTH CAROLINA 28542-0004

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IN REPLY REFER TO:

BO P3440.6D

TE&O

08 JUL 2000

BASE ORDER P3440.6D

From: Commanding General
To: Distribution List

Subj: DESTRUCTIVE WEATHER MANUAL

Ref: (a) DODD 3025.1M
(b) OPNAVINST 3140.24E
(c) FMFM 7-10
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(f) BO 11100.5N
(g) BO 3570.1
(h) BO 2305.4S
(i) BO 11350.2C
(j) Base Maintenance SOP

Encl: (1) LOCATOR SHEET

1. Purpose. To publish guidance, information, and procedures for use in the event of destructive weather (thunderstorms, dangerous wind conditions, flooding, tropical cyclones, tornadoes, and winter storms).

2. Cancellation. BO P3440.6C.

3. Background

a. References. Reference (a) assigns responsibilities, prescribes procedures, and provides guidance by which the Department of Defense responds to all hazards in accordance with 42 U.S.C. 5121, the Civil Defense Act of 1950 50 U.S.C., National civil defense policy, and Federal and State civil defense programs in cooperation with the Federal Emergency Management Agency (FEMA). Reference (b) prescribes the basic warnings and conditions of readiness for destructive weather. Reference (c) provides the capstone doctrine for U.S. Army and U.S. Marine Corps domestic support operations and provides general information for planning and conducting such operations, and identifies relationships between federal, state, local organizations, and military services. Reference (d) prescribes

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The procedures for Event/Incident Reports. Reference (e) is the Marine Corps Casualty Procedure Manual. Reference (f) prescribes the designation, responsibilities, police, and authority of MCB Area Commanders. Reference (g) is the Standard Operating Procedure (SOP) for Range Control. Reference (h) outlines FROST CALL procedures. Reference (i) addresses debris removal and disposal. Reference (j) is the Base Maintenance SOP.

b. Destructive Weather Periods. Severe weather phenomena as described in reference (b) may occur at any time. Analysis of meteorological and oceanographic data for this area indicates the most serious threat of destructive weather damage comes from tropical cyclones in which winds and storm surges of destructive proportions are sustained for long periods of time. The annual hurricane season for coastal North Carolina is from 1 June to 30 November. As explained in Chapters 1 and 7, **the Camp Lejeune area will be in Destructive Weather Condition V annually from 1 June until 30 November.** Storms of non-tropical origin (thunderstorms, dangerous wind conditions, tornadoes, and winter storms), while of shorter duration, less intensity, and generally localized in nature, may also disrupt operations and endanger life and property. 1 December to 15 March is the winter storm season for coastal North Carolina.

4. Information

a. Commander's Authority and Responsibility. Paragraph 3b(9) of The Table of Organization 7511, 17 June 1991, tasks Marine Corps Base, Camp Lejeune with the authority and responsibility to "conduct crisis management, disaster preparedness and contingency planning, and be prepared to provide military support for civil defense."

b. Camp Lejeune Area. For planning purposes, the geographic area of MCB, Camp Lejeune and Marine Corps Air Station New River is termed the Camp Lejeune Area.

c. Emergency Management. As outlined in Appendix A, successful emergency management depends on the successful implementation of the four inter-dependent components of emergency management: mitigation, preparation, response, and recovery.

5. Action

a. This Manual is effective upon receipt.

b. The Commanding General, MCB, is responsible for disaster mitigation, preparation, response, and recovery operations in the Camp Lejeune area, and as such will order the execution of applicable aspects of this Manual as required by any potential or actual emergency. The Commanding General's tasking authority will be exercised through the Marine Corps Base Operations Center (BOC), including the authority to task II MEF assets, through the II MEF Command Center.

c. Actions taken in regard to any aspect of destructive weather emergency management will be in accordance with this and appropriate supplemental directives.

d. Upon receipt of this Manual, all Camp Lejeune Area Commanders, key staff, and tenant units will take appropriate action to ensure proper mitigation, preparation, response, and recovery operations. **Prior to 1 May for hurricanes and prior to 1 November for winter storms, all Commanders down to the lowest level will review and update unit destructive weather plans.**

Planning, personnel, command infrastructure, material management, communications, education, training, facilities, equipment, recall rosters, and emergency supply blocks will be positioned such that a timely and effective response can be made to cover any possible contingency.

e. This Manual will be kept under continuing review by all Camp Lejeune Area commanders, key staff, and tenant units and revised as required. Forward all comments and recommendations to the Commanding General, MCB (Attn: AC/S, TE&O).

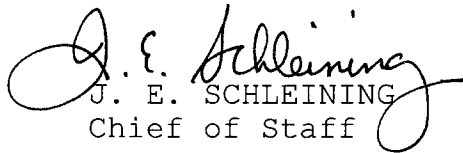
6. Summary of Revision. This Manual contains numerous and significant changes and should be reviewed carefully.

7. Reserve Applicability. This Manual is applicable to the Marine Corps Reserve.

8. Concurrence. This Manual has been coordinated with and concurred in by Commanding General, II Marine Expeditionary Force (II MEF). Commander, U.S. Marine Corps Air Bases, East (COMCABEAST), and Commanding Officer, Marine Corps Air Station (MCAS), New River, also concur given the latitude to independently control the fly-away of their aircraft.

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08 JUL 2000

9. Certification. Reviewed and approved this date.


J. E. SCHLEINING
Chief of Staff

DISTRIBUTION: A

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DESTRUCTIVE WEATHER MANUAL

LOCATOR SHEET

Subj: MARINE CORPS BASE, CAMP LEJEUNE, DESTRUCTIVE WEATHER ORDER
(SHORT TITLE: DESTRUCTIVE WEATHER MANUAL)

Location: _____
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DESTRUCTIVE WEATHER MANUAL

RECORD OF CHANGES

Log completed change action as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Incorporated Change

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DESTRUCTIVE WEATHER MANUAL

CHAPTER 1

CONCEPT OF OPERATIONS

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DESTRUCTIVE WEATHER MANUAL

CHAPTER 1

CONCEPT OF OPERATIONS

1000. GENERAL. Destructive weather poses a significant threat to personnel and property and may endanger life, destroy property, and require expenditure of funds for repair. Extensive damage may be caused by flying debris, such as rocks, lumber, fuel drums, sheet metal, and loose gear of any type which can be picked up by the wind and hurled with great force. Additionally, damage can be produced by flooding, storm surges, sudden wind shifts, gusts, squalls, lightning, hail, and ice storms.

1001. INFORMATION

1. Guidance contained in this Manual is consistent with the references, the Federal Emergency Management Agency, the Emergency Management Institute, the U.S. Department of Commerce, the National Weather Service, the National Hurricane Center, the Red Cross, and the North Carolina Division of Emergency Management.

2. Information and tasks common to all forms of destructive weather are provided in this chapter. Information and tasks specific to a particular type of destructive weather are provided in the specific chapter as outlined in the table of contents.

3. Conditions of Readiness. Conditions of readiness, as mandated by reference (b), enable a distinction between Military and National Weather Service advisories, and represent the posture a military command sets to minimize damage and injury to personnel during periods of destructive weather. Conditions of readiness for the Camp Lejeune area consist of Destructive Weather Conditions V through I for hurricanes, and Conditions II and I for thunderstorms, dangerous winds, tornadoes, and winter storms. Readiness Conditions are based on sustained winds and are set using the applicable term indicating the type of weather phenomena and wind force (e.g., "Destructive Weather Condition IV", "Thunderstorm Condition II", or "Tornado Condition I") and a specified range of wind speeds (e.g., "...with Destructive winds of 55 to 60 knots.")

1002. Purpose

1. This Manual establishes conditions of readiness in anticipation of destructive weather and outlines the minimum required procedures for successful mitigation, preparation, response, and recovery operations and provides for:

- a. The protection of life and property.
- b. The provision of emergency assistance to all activities attached or assigned to the Camp Lejeune area.
- c. The preservation of equipment.
- d. The establishment of procedures for the dissemination of weather advisories and the setting of conditions of readiness.
- e. The continuous increase in the levels of preparedness to mitigate destructive weather as it approaches the Camp Lejeune area.
- f. The operation of essential and emergency management services.
- g. The operation of shelters to provide refuge for personnel forced to evacuate their residences.
- h. The orderly curtailment of operations and services in the interest of the safety of personnel and property.
- i. The early restoration of essential operational capabilities and the prompt resumption of normal base services.

1003. IMPLEMENTATION. The Commanding General, MCB will direct the implementation of appropriate portions of this Manual and the activation of the BOC as required by events.

1. The Chief of Staff, MCB, is the primary directing authority for the Commanding General, MCB, during destructive weather operations.

2. The Commanding Officer, MCAS, New River works in concert with and coordinates with the BOC, but maintains the prerogative of command to maneuver resources at hand to best serve and protect aviation-specific concerns and serve the best interests of the air station.

3. Camp Lejeune area commands, key staff, and tenant units will be notified as appropriate of weather advisories and the setting of Readiness Conditions by the AC/S, TE&O (Operations Officer), BOC, or the Command Duty Officer (CDO) via the priority of communications established in Appendix D.

4. The BOC will be the primary command and control agency for destructive weather emergency management operations from DWC-II through all-clear. In the event the BOC is unable to function, the MCB, Damage Control and Recovery Center (DCRC) will assume those duties until the BOC is re-established.

5. Camp Lejeune area commands, key staff, and tenant units will implement this and supplemental directives and take appropriate action(s) to ensure proper disaster mitigation, preparation, response, and recovery operations. Commanders will use Table of Organization (T/O) and Table of Equipment (T/E) resources as well as assigned personnel, equipment, and material from subordinate, adjacent, and higher units as directed by the BOC. This directive is not intended to usurp the authority or ability of commanders to exercise individual command responsibilities. Whereas the Commanding General, MCB is responsible for providing overall guidance and support, it is absolutely critical that commanders down to the lowest level incorporate this directive and sound emergency management procedures into unit SOPs. To accomplish this, the following requirements and general guidelines are provided for the 4 phases of emergency management.

1004. MITIGATION

1. Discussion

a. Mitigation involves any active or passive measure designed to reduce, if not eliminate, the risk of damage, hardship, loss, or suffering resulting from future natural or man-made forces.

b. In addition to normal emergency service and maintenance organizations, the Commanding General has established a command structure for destructive weather as contained in Appendix B. This command structure utilizes the communications, plans, personnel, and equipment outlined in Appendices (C) through (H) to accomplish the intent of this directive.

2. Tasks. All Camp Lejeune area commands, key staff, and tenant units are directed to:

- a. Incorporate mitigation issues in unit SOPs.
- b. Assess potential disaster scenarios.
- c. Review civilian and military personnel requirements for various destructive weather situations and identify essential personnel by billet.
- d. Establish recall procedures.
- e. Identify essential personnel, building, facility, communication and information systems, equipment, material, and education and training requirements for successful destructive weather emergency management operations.
- f. Develop or revise unit Destructive Weather SOPs and supplemental disaster planning per the guidance contained in this Manual.
- g. Educate and train all personnel in disaster-related issues.
- h. Develop internal information dissemination and early warning procedures.
- i. Provide resources as necessary for the execution of this and supplemental emergency management directives.
- j. Maintain detailed occupancy information for work, residential, and billeting areas for both working and non-working hours.
- k. Coordinate with the AC/S, Facilities to determine building and facility structural capabilities and limitations with regard to destructive weather.
- l. Incorporate shelter requirements, protective measures, and other destructive weather considerations into new construction and renovations.
- m. Coordinate with the AC/S, Facilities to effect the replacement or upgrade of generators as outlined in Appendix E with automatic permanent generators with double throw switches and other state-of-the-art devices.
- n. Coordinate with the AC/S, Facilities and the AC/S, MSD to ensure adequate emergency generator power support of Automatic Data Processing (ADP) equipment.

1005. PREPARATION

1. Discussion. Preparation continues mitigation procedures for specific contingencies. Preparation necessitates the regular review of requirements, actions to take, and unit SOPs in anticipation of executing the time and event oriented requirements of destructive weather conditions. The preparation phase is not dependent on any impending threat, but is necessary to maintain a proper response capability *should* a specific destructive weather threat occur. Any combination of the following are potential results of destructive weather and all commands and personnel should plan accordingly:

- a. Casualties and fatalities.
- b. Lightning strikes and subsequent injury to personnel and damage to property.
- c. Damage from wind and/or hail.
- d. Damage from objects blown by wind.
- e. Disruption of normal work schedules and operations.
- f. Structural damage to buildings and facilities.
- g. Damage to vegetation, power lines, and other outside structures.
- h. Flooding damage due to rain, high tides and/or storm surge.
- i. Downed trees, branches, signs, utility poles, and electrical wires.
- j. Debris and/or standing water on roadways, sidewalks, and other thoroughfares obstructing or hindering traffic flow.
- k. Eroded, damaged, destroyed roads and bridges.
- l. Loss or disruption of essential utilities to include, water, electricity, gas, steam, heat, and sewage.
- m. Loss of electronic, communication, and information systems.
- n. Damage to and loss of personal property and effects.

- o. Restricted emergency response capabilities.

2. Tasks. All Camp Lejeune area commands, key staff, and tenant units are directed to accomplish the following for all destructive weather situations:

- a. Incorporate preparation issues in unit SOPs.
- b. Disseminate weather advisories and the setting of conditions of readiness.
- c. Review all pertinent directives and SOPs.
- d. Maintain current status reports on facilities, buildings, equipment, material, and personnel readiness.
- e. Coordinate with the AC/S, Logistics regarding supply requirements for on-hand permanent, transient, and attached emergency management personnel. These requirements are independent from shelter blocks, the responsibility of individual commands and should include, but not be limited to a three day supply of:
 - (1) Potable water (3 gallons per person per day).
 - (2) Medical supplies.
 - (3) Cots and blankets.
 - (4) Toiletry and sanitation products.
 - (5) Food.
- f. Identify actions and responsibilities required in the future preparation of personnel, facilities, buildings, communication and information systems, equipment, and material per the guidance contained in Appendix I.
- g. Establish, update, and test essential civilian and military personnel duty lists, watch schedules, and recall rosters in support of local requirements and the BOC. Update monthly (at a minimum) during destructive weather seasons.
- h. Be prepared to support response and recovery operations as directed by the BOC.
- i. Conduct disaster preparedness exercises to test unit SOPs and familiarize all personnel with procedures.

j. Ensure personnel are educated and trained in destructive weather issues.

k. Coordinate as required for the organization, equipping, staffing, education, and training of Disaster Management Teams and other emergency service personnel. (For example, commands and tenant units specifically tasked in Appendix G to provide Response/Recovery Teams must coordinate with the Base Maintenance Operations Officer, PMO, and the Fire Chief for the education and training of designated personnel by 1 May each year.)

l. Coordinate with the AC/S, Environmental Management Division for the preparation of hazardous material and sites for destructive weather.

m. Coordinate with the AC/S, Facilities and the AC/S, TE&O for the annual update of installation generator requirements as contained in the Emergency Power Plan (Appendix E).

n. Coordinate with the AC/S, Installation Safety and Security for the annual update of safety and security requirements as contained in the Emergency Service Plan.

o. Coordinate with the AC/S, Logistics for the annual update of supply requirements for destructive weather operations to include:

- (1) Subsistence.
- (2) Supplies.
- (3) Tactical asset support (Appendix H).
- (4) Fresh water and sanitation.

p. Coordinate with the CO, Naval Hospital for the annual update of medical support requirements.

q. Parent commands will provide all emergency service personnel, (such as those on Response/Recovery Teams) with a minimum of 1 day supply of water and food upon detachment.

r. Organizations receiving augmented emergency service personnel are responsible for billeting, messing, and resupply as required.

s. Prior to 1 May for tropical cyclones and 1 November for winter storms, all commanders down to the lowest level will verify their destructive weather emergency management preparations.

1006. RESPONSE

1. Discussion

a. Per the emergency management team sourcing and command structure outlined in Appendix G, the BOC will coordinate with II MEF, area commanders, key staff, and the DCRC to effect response operations.

b. Successful response operations depend on commanders ensuring the completion of proper mitigation and preparation operations. Initial response efforts will be as provided by responding emergency units, and the provisions of this and supplemental directives. The priorities of response for all tenant units will be to minimize injury to personnel and damage to property.

c. Response and recovery operations for non-tropical cyclone destructive weather (thunderstorms, dangerous winds, tornadoes, winter storms, and flooding), unless directed otherwise, will involve the normal chain of command, emergency services, maintenance organizations, and procedures. Should the effects of non-tropical cyclone destructive weather phenomena be especially severe, the Commanding General, MCB may direct the implementation of hurricane destructive weather emergency management procedures, or portions thereof, as discussed below.

d. Due to the severe nature of hurricanes, Destructive Weather Conditions (DWCs) are set by the Commanding General to prepare for the estimated time of arrival of an approaching storm. DWCs and their corresponding requirements are provided in Chapter 7. Actions required upon the setting of DWCs are broken down into time and event oriented tasks. Time oriented tasks are based upon an ongoing evaluation of the estimated time of arrival of the storm and are executed upon the setting of each DWC. Event oriented tasks are based on an ongoing evaluation of operational requirements, personnel safety, and the progress of preparation operations and will be executed only upon specific direction by the BOC. The proper execution of tasks at each DWC provides for a progressive state of preparation, response, and recovery for installation command, communications, facilities, equipment, material, and personnel.

e. As previously discussed, certain types of destructive weather are possible year round in the Camp Lejeune area; therefore, a minimum condition of readiness must always be maintained. When entering a destructive weather season additional actions must be taken to increase the level of preparedness and set a specific condition (such as DWC V). Upon setting higher conditions of readiness, commands must accomplish specific actions to enable a coordinated effort to minimize the possible effects of destructive weather. When any increased condition of readiness is established, all actions for lesser conditions of readiness must be complete before those of the higher condition can begin.

2. Tasks. All Camp Lejeune area commands, key staff, and tenant units are directed to accomplish the following for all destructive weather situations:

a. Incorporate response issues in unit SOPs during mitigation and preparation.

b. Provide representatives to the BOC upon activation, as directed.

c. Initiate the progressive preparation of personnel, buildings, facilities, communication and information systems, equipment, and material for the developing destructive weather situation per the guidance contained in this Manual.

d. Be prepared to release non-essential personnel, as directed.

e. Be prepared to secure field training, as directed.

f. Take precautions to ensure an appropriate state of readiness on short notice.

g. Be prepared to take immediate safety precautions and shelter.

h. Support the On-scene Commander (OSC) for any emergency. The OSC is responsible for all operations at the emergency site to include: personnel safety, material management, equipment operation, site organization, and security. **The OSC will be the senior individual present of the emergency management unit(s).**

i. Arrange for local security (post sentries) and/or coordinate with the AC/S, ISS to provide security for the following upon notification of imminent destructive weather phenomena:

(1) Those items that present a substantial hazard to personnel.

(2) Armories.

(3) Safes, vaults, and other monetary storage devices and facilities.

(4) Facilities, equipment, and/or material of a restricted-access nature.

(5) Facilities, equipment, and material subject to looting or vandalism.

j. Ensure the security of classified equipment and material.

k. Ensure the proper disposition of hazardous material and sites.

l. Ensure **NO** wheeled vehicles are operated when wind velocities exceed 92 MPH (89 kts).

m. Report signs of destructive weather such as funnel clouds, unreported thunderstorms, lightning, and flooding to the AC/S, TE&O (Operations Officer), MCB CDO, or BOC as appropriate.

n. Ensure unit operations sections and/or the unit OOD maintains current weather advisories and conditions of readiness; tracks current storm system and unit status, and is prepared and authorized to implement this and supplemental directives and unit SOPs as required.

o. Relay all emergency response requirements and requests for military support to civil authorities (MSCA) to the BOC. Be prepared to provide liaison personnel, knowledgeable of correct request procedures and military capabilities, to external agencies as required.

p. Provide report as required by Appendix M.

1007. RECOVERY1. Discussion

a. Per the command structure for destructive weather outlined in Appendix B, the BOC will coordinate with II MEF, area commanders, key staff, and the DCRC to effect recovery operations.

b. Recovery operations begin as soon as practicable. The BOC, in coordination with the DCRC, will use damage assessment data obtained to determine recovery priorities.

c. The priorities of initial recovery operations will serve to save lives, prevent further injury and damage, and restore essential operations in support of national defense priorities.

d. The priority of work for recovery operations generally includes, but is not limited to:

(1) Emergency rescue, treatment, and transport of casualties.

(2) Identification, isolation, and securing of local hazards (e.g., downed power lines, HAZMAT spills, roadway washouts, black ice, etc.)

(3) Hasty clearing of Main Supply Routes (MSRs) for emergency vehicle and utility crew access.

(4) Establishment of emergency services.

(5) Re-establishment of essential services (water, sanitation, communications, utilities, messing, etc.).

(6) Emergency repairs to buildings and facilities.

(7) Debris removal.

(8) Repair and reconstruction.

e. Per the Emergency Food and Messing Plan of Appendix L, the following personnel are authorized to subsist in Camp Lejeune area messhalls during destructive weather recovery operations in a surcharge exempt status:

(1) Civilian employee and military family members.

(2) Shelter occupants.

(3) Civilian contractors supporting recovery operations.

2. Tasks. All Camp Lejeune area commands, key staff, and tenant units are directed to accomplish the following for all destructive weather situations:

- a. Incorporate recovery issues in unit SOPs.
- b. Support recovery operations directed by the BOC.
- c. Conduct and report casualty and damage assessments as soon as practicable after destructive weather.
- d. Provide reports as required by Appendix M.

DESTRUCTIVE WEATHER MANUAL

CHAPTER 2

MCB STAFF RESPONSIBILITIES

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DESTRUCTIVE WEATHER

CHAPTER 2

MCB STAFF RESPONSIBILITIES

2000. GENERAL. MCB staff responsibilities in coordinating destructive weather emergency management include but are not limited to:

1. Medical support.
2. Emergency rescue operations.
3. Fresh water.
4. Sanitation.
5. Food services.
6. Electrical services and utilities.
7. Communications.
8. Safety and security operations.
9. Debris management.
10. Shelters.
11. Temporary housing.
12. Environmental Compliance and Protection.
13. Emergency Relief Supply Storage and Distribution.
14. Coordinated, effective, and efficient emergency management.

2001. COMMON TASKS. In addition to the requirements of Chapter 1, MCB staff must:

1. Ensure the development of unit SOPs and desk-top procedures detailing specific actions subordinate departments must take in the event of destructive weather.
2. Review and update Supplemental Plans as contained in Appendix L prior to 1 May for hurricanes, and 1 November for winter storms.

2002. SPECIFIC TASKS. In addition to the requirements of Chapter 1, the following are required:

1. Commanding General, Marine Corps Base. The Commanding General is the senior coordinating official responsible for all destructive weather emergency management operations in the Camp Lejeune area. Tasking authority to carry out destructive weather emergency management operations using assets from the Camp Lejeune area will be exercised through the BOC.

2. Chief of Staff

a. Supervise the staff and assume the overall cognizance for operations relative to destructive weather.

b. Analyze meteorological forecasts and information and provide recommendations to the Commanding General, MCB on the following:

(1) The setting of all Destructive Weather Conditions.

(2) The activation and deactivation of the BOC.

(3) Appropriate courses of action regarding the partial evacuation of high risk areas (i.e., mobile homes, coastal, and flood prone areas) based on storm strength, track, projected time of arrival, projected damage assessment and scale of evacuation.

(4) The closing of non-essential base facilities and services as required.

(5) The securing of non-essential civilian and military personnel as required.

(6) The opening and closing of emergency shelters as required.

(7) The closure of the Camp Lejeune area as required.

3. Commanding Officer, Naval Hospital

a. Coordinate with the Commanding Officer, Naval Dental Center for all destructive weather requirements.

b. Coordinate as required for the annual review and update of emergency medical support requirements as contained in the Emergency Medical Support Plan of Appendix L.

c. Coordinate with the AC/S, ISS for the development, annual update, and implementation of the Emergency Service Plan.

d. Coordinate with II MEF and the CO, Field Medical Service School (FMSS) for the provision of medical equipment and personnel support to augment Naval Hospital and AC/S, ISS capabilities for destructive weather emergency management operations.

e. Develop, maintain, and implement as directed the following supplemental plans as contained in Appendix L:

(1) Emergency Medical Support Plan.

(2) Emergency Hospital Evacuation Plan.

f. Provide casualty reports to the BOC.

g. Provide medical support and baby supplies (infant formula, diapers, and bottled water) to shelters and emergency management facilities as contained in Appendices F and G.

h. Provide area commanders and the AC/S, TE&O with a roster of personnel assigned to support shelter operations by 1 June, annually, and update as required.

i. Coordinate with area commanders for the timetable of delivery and transportation of medical personnel and supplies to emergency shelters.

j. Coordinate with the Command Chaplain for the provision of additional chaplain service, counseling, and ecumenical service support as required.

k. Coordinate with area commanders to develop, maintain, and implement as required plans to use area clinic personnel, material, and supplies in support of destructive weather operations.

l. Provide area commanders and the BOC the list of medical facilities to remain open and their hours of operation during destructive weather.

4. Assistant Chief of Staff, Comptroller

a. Coordinate with the II MEF Comptroller to establish local procedures to collect and maintain funding document and

reimbursement information concerning costs incurred during destructive weather emergency management operations.

b. Coordinate with the II MEF Comptroller to obtain emergency and reimbursement funding.

c. Disburse funds for replenishment of consumed shelter block supplies after each event.

5. Assistant Chief of Staff, Environmental Management

a. Ensure adequate destructive weather mitigation, preparation, response, and reporting measures are taken for hazardous material and sites.

b. Develop, maintain, and implement as directed the following supplemental plans as contained in Appendix L:

(1) GIS Support Plan.

(2) The Camp Lejeune area Environmental Compliance and Protection Plan to include, but not limited to:

(a) An evaluation of the vulnerability of installation hazardous material (HAZMAT) sites and petroleum, oil, and lubricants (POL) facilities to flooding and other effects of destructive weather.

(b) Contingency plans for the preparation, protection, and/or movement of HAZMAT and POL vulnerable to flooding or other effects of destructive weather.

c. Prepare and distribute an advisory for installation housing residents regarding the handling and storage of potential HAZMAT (i.e., chemicals, paint thinner, and compressed gas cylinders, etc.) for destructive weather.

d. Conduct environmental and hazardous material site damage assessments as soon as practicable after destructive weather.

e. Coordinate as required for the isolation, security, and clean-up of hazardous material accident sites.

f. Coordinate with the AC/S, Facilities for the provision of vacuum truck support.

6. Assistant Chief of Staff, Facilities

a. Ensure that new construction and renovation projects incorporate shelter requirements and other destructive weather considerations.

b. Coordinate as required, for the development and implementation of a plan to incorporate facility and above ground power and phone line right-of-ways in areas susceptible to falling trees. In particular, large trees susceptible to destructive weather and likely to fall on housing, buildings, facilities, or above ground lines would be harvested and if replaced, be replaced with more survivable and potentially less damaging dwarf trees.

c. Organize, equip, staff, and activate as directed the DCRC to coordinate destructive weather response and recovery operations.

d. Institute unit level awareness and self-help programs to facilitate unit and individual destructive weather mitigation and preparation.

e. Develop, maintain, and implement as directed the following Supplemental Plans as contained in Appendix L:

(1) Emergency Power Plan, including:

(a) The controlled shut down of utilities prior to the onset of destructive weather.

(b) Generator requirements.

(c) Generator maintenance schedule.

(d) Generator operator training for commercial generators.

(2) Emergency Debris Management Plan, including:

(a) Camp Lejeune area and shelter trash management.

(b) Securing of trash receptacles and dumpsters.

(c) Securing of construction site materials.

(3) Temporary Housing Plan to include post-destructive weather housing options (available permanent buildings, tent shelters, and commercially available solutions).

(4) Facility and Utility Recovery Plan, including:

- (a) Response/Recovery Team education and training.
- (b) Priorities of facility and utility restoration.
- (c) Augmentation by tactical units, equipment, and personnel.
- f. Maintain essential services and utilities.
- g. Conduct damage assessments as required and inform the BOC accordingly.
- h. Ensure drainage ditches and systems are clear and functional.
- i. Maintain and update recovery information via the MCB Automated Information System Line.
- j. Consolidate and report damage estimates to AC/S, Comptroller within 72 hours after each destructive weather event.

7. Assistant Chief of Staff, Installation Security and Safety

a. Coordinate as required to develop, maintain, and implement the Emergency Traffic Management Plan to include, but not limited to:

(1) All traffic control and military police activities in the Camp Lejeune area.

(2) Traffic control requirements for traffic flow to emergency shelters and/or evacuees leaving/entering the installation.

(3) Alternate route plan for flood-prone traffic routes.

(4) Barricade and traffic control plan for flood prone areas.

(5) Emergency service route plan providing multiple routes to all Camp Lejeune areas.

(6) Contingency plans to isolate and redirect traffic from hazardous sites such as downed power lines, impassable roads, leaking transformers, and ruptured gas lines, etc.

b. Develop and maintain a Brig Evacuation Plan as contained in Appendix L.

c. Coordinate as required to develop, maintain, and implement an Emergency Service Plan to include, but not limited to:

(1) Coordination with the AC/S, TE&O for the provision of Navy Boat Crews in support of destructive weather emergency management operations.

(2) Emergency rescue operations.

(3) The provision of emergency medical support.

(4) The Security Plan for commissaries, exchange facilities, banks, clubs, any damaged or devastated areas subject to pilfering and looting, security sensitive facilities, equipment, material, and other areas as discussed in Chapter 1 or otherwise requested by area commands, key staff, or tenant units.

(5) The isolation of areas as required to provide for personnel and material safety.

(6) The procedures required to secure hazards to personnel and government property.

(7) The provision of control and security measures for evacuated and restricted areas.

(8) Liaison with local, state, and regional law enforcement agencies. Provide a liaison officer to Onslow County Emergency Management Department as required.

(9) Coordination/Consolidation of all emergency services (PMO, Fire, Ambulance) to expedite destructive weather response and recovery operations.

8. Assistant Chief of Staff, Logistics

a. Organize, equip, staff, and activate a Logistics Operations Center (LOC) to coordinate emergency management logistic support operations as required.

b. Coordinate as required to develop, maintain, and implement as directed the Tactical Asset Support Plan as contained in Appendix H.

(1) Ensure appropriate MHE is dispatched in conjunction with vehicle assets designated to distribute materials and supplies (i.e. forklifts for MRE pallets).

(2) Ensure M149 Water trailer assets have been filled and medically certified prior to dispatching to designated sites per Appendix H.

c. Coordinate as required to develop, maintain, and implement as directed the Emergency Food and Messing Plan as contained in Appendix L. Address messing issues including, but not limited to:

(1) Obtaining pre-approved waiver of mess physicals for destructive weather emergency management operations.

(2) Obtaining pre-approved authorization for the messing of civilian employee and military personnel family members, shelter occupants, and civilian contractors supporting destructive weather operations in Camp Lejeune area messhalls.

(3) Obtaining pre-approved surcharge exemptions for civilian employee and military personnel family members, shelter occupants, and civilian contractors supporting destructive weather operations.

d. Coordinate as required to develop, maintain, and implement as directed the Emergency Fresh Water and Sanitation Plan as contained in Appendix L. Address issues including, but not limited to:

(1) Supply, distribution, and maintenance of potable water to all Camp Lejeune area commands, key staff, and tenant units.

(2) Contingency plans for implementation of a tactical water production and distribution system.

(3) Contingency plans for supply, distribution, and maintenance of medically certified water bulls to predetermined commands and locations as listed in Appendix H.

(4) Supply, distribution, and maintenance of portable sanitation facilities (Port-a-Johns, laundry, and field showers) as required.

(5) Maintenance and resupply of emergency shelter supplies.

e. Develop, maintain, and implement as required, the Emergency Relief Supply Storage and Distribution Plan as contained in Appendix L.

f. Coordinate as required to develop, maintain, and implement as directed the Emergency Logistics Support Plan as contained in Appendix L. Address logistic support issues including, but not limited to:

(1) The requisition, storage, and distribution of Prepackaged Operational Rations (PORs).

(2) An adequate inventory of sandbags from the Intermediate Supply Support Activity for destructive weather emergency management operations. Be prepared to procure and distribute sandbags as directed.

(3) Cold storage issues.

(4) Contracting support as may be required for response and recovery efforts requiring non-stocked civilian or specialty items or equipment including, but not limited to:

(a) Refrigeration.

(b) Ice

(c) Port-a-Johns.

(d) Dumpsters.

(e) Salt.

(f) Sand.

(g) Water.

(5) The requisition and restock of DoD expendable materials required for destructive weather operations.

(6) Contingency plans to assist civil authorities with food, essential supplies, and materials in the event of a long-term civil disaster.

g. Maintain essential services.

h. Coordinate with the Defense Commissary Agency (DeCA) Officer for all destructive weather requirements, to include, but not limited to:

(1) Cold storage requirements.

(2) Critical inventory items.

(3) Timetable for closure and operating hours of the Commissary.

i. Coordinate transportation requirements of the BOC and DCRC. Priority of vehicle assignments will be established by the BOC. Requirements include, but are not limited to:

(1) The recall of motor transport assets not involved in emergency use upon direction.

(2) The transportation of military family members.

(3) Wreckers on standby for emergency route clearing.

(4) The release and delivery of Red Cross supplies stored at Camp Johnson to the City of Jacksonville Emergency Management Coordinator (EMC).

j. Coordinate with the CO, Naval Hospital for the provision of a deceased person temporary cold storage facility.

k. Coordinate as required to ensure the billeting of civilian messhall personnel.

l. Maintain shelter block readiness status as reports monthly (1 June-30 November, annually).

m. Receive, consolidate, and submit shelter block supply expenditures within 48 hours after each destructive weather event to the AC/S, Comptroller for funding.

n. Receive, consolidate, and submit shelter block supply shortages to the AC/S, Comptroller by 31 December (annually).

o. Receive, consolidate, and submit damage estimates to the AC/S, Comptroller within 72 after each destructive weather event.

9. Assistant Chief of Staff, Management Support

a. Coordinate as required to develop, maintain, and implement as directed the Communication and Information Systems Plan contained in Appendix D. Specifically address commercial and emergency communications and information system considerations to include, but not limited to:

(1) The priority of communications.

(2) The communication structure required by the BOC and the emergency management structure.

(3) The information system structure required by the BOC and the emergency management structure. Specifically address:

(a) The priority of and accessibility to redundant information sources.

(b) A WAN/LAN emergency management structure.

b. Provide communication and information system equipment, supplies, and operators to the BOC upon activation as contained in Appendices C and D.

c. Manage communications and information systems during destructive weather.

10. Assistant Chief of Staff, Manpower

a. Maintain population census and demographic information for the Camp Lejeune area.

b. Develop, maintain, and implement as directed a timetable and plan of action regarding the release of non-essential civilian personnel.

c. Develop, maintain, and implement as directed a timetable and plan of action regarding the closing and corresponding transportation requirements of dependent schools, education sites, daycare centers, and other dependent care facilities.

d. Be prepared to execute FROST CALLS as directed concerning, but not limited to:

(1) Destructive weather information and guidelines.

(2) The setting of conditions of readiness.

(3) Closure of dependent school, daycare, and other facilities.

(4) The release of non-essential civilian and military personnel.

e. Maintain and update civilian work day information via the MCB Automated Information System line.

f. Maintain current incoming personnel rosters and be ready to notify appropriate geographic commands to delay personnel detachment or grant leave extensions.

g. Coordinate as required to ensure proper billeting, messing, and safety arrangements for personnel who report during destructive weather situations. Ensure receiving commanders are aware of the arrival of these individuals and can provide transportation.

h. Provide Serious Incident Reports (SIR) and other reports per reference (d) to Headquarters, Marine Corps as directed.

i. Be prepared to provide casualty assistance and reporting support.

j. Provide the AC/S, TE&O with a list of available Family and Human Services needs applicable to destructive weather events.

k. Coordinate for the provision of a Red Cross representative to the BOC upon activation.

l. Provide a journal clerk and administrative support as required to the BOC upon activation.

11. Assistant Chief of Staff, Marine Corps Community Services

a. Develop, maintain, and implement as directed, an MCCS Activities Emergency Operations Plan to include, but not limited to:

(1) Contingency plans to evacuate and secure all MCCS activities, facilities, and services as directed.

(2) Coordination with the AC/S, ISS for the provision of security for MCCS facilities during destructive weather.

(3) The stocking of emergency supplies in exchange facilities.

(4) Contingency plans to relocate refrigerated food items in the event of power outages.

(5) The timetable for the closure and opening of designated essential MCCS activities.

(6) The hours of operation for designated essential MCCS activities.

b. Coordinate with the AC/S, TE&O for the development of an MCCS Asset Utilization Plan to address the use of MCCS assets in support of response and recovery operations.

c. Maintain and update information concerning the status of activities via the MCB Automated Information System Line.

d. Develop, maintain, and distribute as required MCCS shelter boxes to include, but not limited to: games, cards, drawing items, audiovisual equipment, and video tapes.

e. Coordinate as required, to establish Human Resources as a coordinating agency for assistance to disaster victims.

f. Coordinate as required, to establish Human Resources as a coordinating agency in the collection, storage, inventory, and distribution of donations of essential items and services.

12. Assistant Chief of Staff, Reserve Affairs

a. Be prepared to implement notification and mobilization of Reservists to assist with manpower and equipment to support disaster relief operations.

b. Be prepared to provide billeting support to the BOC for emergency management and displaced personnel as required.

13. Assistant Chief of Staff, Training, Education and Operations

a. Organize and supervise the staff and assume the overall cognizance for destructive weather emergency management operations.

b. Organize, equip, staff, maintain, and activate as required the BOC to coordinate emergency management efforts. Be

prepared to operate on a 24 hour basis. Coordinate watch assignments with other staff sections.

c. Notify area commands, key staff, tenant units, and others deemed appropriate of the activation of the BOC.

d. Analyze meteorological forecasts and information and provide recommendations to the Chief of Staff, MCB on the following:

(1) The activation and deactivation of the BOC.

(2) The setting of all Destructive Weather Conditions.

(3) Appropriate courses of action regarding the partial evacuation of high risk areas (i.e., mobile homes, coastal, and flood prone areas) based on storm strength, track, projected time of arrival, projected damage assessment and scale of evacuation.

(4) The closing of non-essential base facilities and services as required.

(5) The securing of non-essential civilian and military personnel as required.

(6) The opening and closing of emergency shelters as required.

(7) The closure of the Camp Lejeune area as required.

e. Brief the Chief of Staff on personnel, events, weather advisories, conditions of readiness, shelters, installation evacuation, damage and casualty assessments, and other topics as required.

f. Submit reports to the COMMARFORLANT as required.

g. Disseminate destructive weather information, advisories, and the setting of Conditions of Readiness to all Camp Lejeune area commands, key staff, tenant units, and residents.

h. Develop, maintain, and implement a destructive weather order for the Camp Lejeune area.

i. Coordinate with II MEF regarding the liaison, planning, and execution of emergency management operations with military commanders, federal, state, and local civil authorities as required.

j. Coordinate with the CO, MCAS, New River for the use of MCAS, New River assets in support of emergency management operations.

k. Develop and maintain an Emergency Shelter Plan as contained in Appendix L.

l. Ensure disaster awareness, education, and training for MCB Camp Lejeune personnel as an integral part of the mitigation phase of emergency management.

m. Annually, conduct a comprehensive Destructive Weather Conference, on/about 1 June, for all MCB Camp Lejeune general and special staff, all area commands, and all tenant units.

n. Coordinate as required to implement the Supplemental Plans of Appendix L.

o. Notify area commands, key staff, and tenant units of the setting of DWC V from 1 June to 30 November.

p. Disseminate information on emergency management training courses and publications.

q. Ensure the CDO has current destructive weather instructions/information.

r. Be prepared to provide Navy Boat Crew Support to the AC/S, ISS to support destructive weather emergency management operations.

s. Coordinate requests for assistance from local, state, and regional agencies with COMMARFORLANT.

t. Coordinate with the Consolidated Public Affairs Officer (CPAO) for the preparation and release of all destructive weather media releases.

u. Coordinate with the AC/S, TE&O (TSD) the broadcast of destructive weather preparation information on the Camp Lejeune command cable television channel.

v. Maintain a chronological record of events during destructive weather operations.

w. Coordinate the completion and turn-in of reports required as contained in Appendix M.

x. Maintain the MCB Automated Information System Line and ensure cogizant staff sections update their information.

y. Coordinate with the Command Chaplain for the provision of chaplain and service support as required.

14. Staff Judge Advocate

a. Provide legal advice as required to the Commanding General, Chief of Staff, AC/S, TE&O, Operations Division, and the BOC (when activated).

b. Provide legal assistance to the personnel of the Camp Lejeune area before, during, and after destructive weather as required.

c. Provide information and assistance to personnel requiring claims support.

d. Maintain and update information concerning legal issues/claims via the MCB Automated Information System Line.

15. Command Chaplain

a. Review personnel and services required for all destructive weather operations.

b. By 1 June (annually) provide a list of chaplains assigned to emergency shelters to area commanders and the AC/S, TE&O as contained in Appendix F.

c. Coordinate with the Director of Human Resources for the provision of assistance to disaster victims.

d. Be prepared to provide chaplain and service support, counseling, and ecumenical services as required.

16. Consolidated Public Affairs Officer

a. Maintain a priority list of media, communication and information systems, and alternative methods to disseminate information to the Camp Lejeune area including, but not limited to:

(1) Base and local commercial TV stations.

(2) Local commercial radio stations.

(3) Local commercial publications.

(4) "The Globe", MCB newspaper.

b. Coordinate with the AC/S, TE&O for the development of preapproved destructive weather press releases including, but not limited to:

(1) Destructive weather emergency management procedures.

(2) Commanding General, MCB policy and guidelines regarding destructive weather operations.

(3) Destructive weather preparation, response guidelines, and helpful hints.

(4) Destructive Weather Condition definitions and information.

(5) Emergency shelter information.

(6) The setting of Conditions of Readiness.

(7) The impact of destructive weather on the Camp Lejeune area.

(8) Personnel requirements and restrictions.

c. Organize, staff, equip, maintain, and activate as directed a Press Information Center (PIC).

d. Disseminate information to the Camp Lejeune area throughout all response and recovery operations as directed by the BOC.

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CHAPTER 3

MAJOR COMMAND AND AREA COMMANDER RESPONSIBILITIES

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DESTRUCTIVE WEATHER MANUAL

CHAPTER 3

MAJOR COMMAND AND AREA COMMANDER RESPONSIBILITIES

3000. GENERAL. This Chapter outlines the support required by Major Commands and Area Commanders to ensure effective mitigation, preparation, response, and recovery of the Camp Lejeune area during destructive weather situations.

3001. CG, II MARINE EXPEDITIONARY FORCE. In addition to the guidance contained in Chapter 1, the following tasks are required:

1. Advise and assist the Commanding General, MCB in local response and recovery operations.
2. Organize, train, and equip II MEF personnel in emergency management mitigation, preparation, response, and recovery issues.
3. Provide representatives and support to the BOC upon activation as contained in Appendix C.
4. Coordinate with the AC/S, MSD for II MEF taskings for tactical communication equipment, operators, and repair personnel in support of the Communication and Information Systems Plan as contained in Appendix D.
5. Coordinate with the AC/S, Facilities for II MEF taskings for generator equipment, operators, and repair personnel in support of the Emergency Power Plan as contained in Appendix E.
6. Organize, train, equip and provide as directed, Disaster Management Teams as contained in Appendix G.
7. Coordinate with the AC/S, Logistics for II MEF taskings to provide tactical assets and personnel as contained in Appendix H.
8. Plan to secure and evacuate II MEF areas of Onslow Beach, as required.
9. Plan to secure and evacuate II MEF areas of Courthouse Bay, as required.
10. Be prepared to coordinate all support to civilian agencies.

11. Provide medical personnel and equipment upon request, to the Commanding Officer, Naval Hospital during disaster response and recovery operations.
12. Provide dental personnel and equipment upon request, to the Commanding Officer, Naval Dental Center during disaster response and recovery operations.
13. Provide liaison officers to the Damage Control and Recovery Center to assist and expedite recovery operations.
14. Be prepared to provide additional tactical assets, equipment, and personnel in support of rescue, response, and recovery operations as requested by the BOC.
15. Maintain equipment and personnel demographic figures required in support of evacuation of designated areas.

3002. COMMANDING OFFICER, MCAS, NEW RIVER. In addition to the guidance contained in Chapter 1, the following tasks are required:

1. Advise and assist the Commanding General, MCB in local response and recovery operations.
2. Provide weather advisory and forecast information for the Camp Lejeune area to the AC/S, TE&O (Operations Officer), BOC, or MCB CDO as appropriate.
3. Provide representatives and support to the BOC upon activation as contained in Appendix C.
4. Provide medical personnel and equipment upon request, to the Commanding Officer, Naval Hospital during disaster response and recovery operations.
5. Notify the AC/S, TE&O (Operations Officer), BOC, or MCB CDO as appropriate concerning support requirements for destructive weather emergency management operations aboard MCAS, New River.
6. Coordinate with the AC/S, Facilities for generator equipment, operators, and repair personnel taskings in support of the Emergency Power Plan as contained in Appendix E and Appendix H.

3003. AREA COMMANDERS. In addition to the guidance contained in Chapter 1, the following tasks are required:

1. Advise and assist the Commanding General, MCB in local response and recovery operations.
2. Inventory, receipt for and assume responsibility for emergency shelter blocks. **Report shelter block readiness to the AC/S, LOG by 1 June (annually).**
3. Inventory shelter blocks and report expenditures to AC/S, LOG within 36 hours after each destructive weather event. AC/S, LOG will consolidate reported expenditures and forward to the AC/S, Comptroller within 48 hours after each destructive weather event for funding. *Any shortages not reported within 36 hours become the responsibility of the area commanders for replacement.*
4. Inventory shelter blocks and report any shortages to AC/S, LOG by 23 December (annually). AC/S, LOG will consolidate reported expenditures and forward to the AC/S, Comptroller by 31 December (annually) for funding. *Any shortages reported after 23 December (annually) become the responsibility of the area commanders for replacement.*
5. Coordinate with the AC/S, Logistics regarding supply requirements for on-hand permanent, transient, and attached emergency management personnel as discussed in Chapter 1.
6. Coordinate with the AC/S, Logistics for the provision of adequate potable water for drinking and sanitation purposes.
7. Coordinate with the CO, Naval Hospital for the status and requirements of area clinics during DWCs.
8. Coordinate with the AC/S, Logistics for the status of messhalls during DWCs.
9. Organize, equip, staff, maintain, and operate as directed emergency shelters as contained in Appendix F.
10. Maintain emergency shelter personnel and recall rosters.
11. Coordinate as required for the temporary housing, hygiene, messing, clothing, and supply requirements of displaced personnel.
12. Coordinate with the AC/S, Facilities for the training of emergency shelter personnel in generator operations and safety.
13. Coordinate all Response/Recovery Team operations with the DCRC.

3003

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14. Ensure drainage ditches and systems are clear and functional at the end of the hurricane season (30 November, annually).

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CHAPTER 4

THUNDERSTORMS

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CHAPTER 4

THUNDERSTORMS

4000. GENERAL. Thunderstorms are small-scale storms produced by cumulonimbus clouds, always accompanied by lightning and thunder, and may not have a threatening appearance until shortly before arrival. Hail is often associated with thunderstorms and may inflict major damage. Thunderstorms may be accompanied by extremely strong winds, heavy rainfall, and near zero visibility. Lightning strikes are common and North Carolina ranks second in the nation for fatalities from lightning strikes. Strike locations are virtually unpredictable. Direct or nearby hits can cause:

1. Serious or fatal injuries to personnel.
2. Detonation of munitions, fuel and other combustibles.
3. Severe damage to electrical, communication, and information systems and electronics.
4. Power failures.

4001. DEFINITIONS

1. Thunderstorm. A thunderstorm accompanied by wind gusts of less than 50 knots and/or hail less than 3/4-inch at the surface.
2. Severe Thunderstorm. A thunderstorm accompanied by wind gusts of 50 knots or greater and/or hail 3/4-inch or greater at the surface.

4002. ADVISORIES. Watches and warnings described hereafter apply to both thunderstorms and severe thunderstorms.

1. Watch. Thunderstorm development is possible within or adjacent to the watch area.
2. Warning. The occurrence of a thunderstorm has been confirmed by observation or weather radar.
3. Local Thunderstorm Warning. A warning issued by the MCAS, New River Weather Service to notify of potentially hazardous weather. Warning is issued for the Camp Lejeune area to initiate

appropriate precautions in daily training and recreational activities.

4003. CONDITIONS. Conditions described hereafter apply to both thunderstorms and severe thunderstorms.

1. Condition II. A thunderstorm is reported or expected in the Camp Lejeune area within 6 hours.

2. Condition I. A thunderstorm is imminent or in progress in the Camp Lejeune area.

4004. COMMON TASKS

1. Preparation. The potential results of thunderstorms are common to those listed in Chapter 1, with lightning strikes, and damage from wind and/or hail being most prevalent. All commands and personnel should plan accordingly.

2. Response and Recovery. Response and Recovery operations, unless directed otherwise, will continue to be per the guidance of Chapter 1, and involve the normal chain of command, emergency services, maintenance organizations, and procedures. At a minimum, in addition to the preparation and response requirements of Chapters 1 through 3, all Camp Lejeune area commands, key staff, and tenant units are required to accomplish the following for each condition:

a. Condition II

(1) Disseminate the setting of Condition II.

(2) Initiate the progressive preparation of personnel, facilities, buildings, equipment, and material for the developing destructive weather situation per the guidance contained in Appendix I.

(3) Be prepared to secure from field training.

(4) Take precautions to ensure an appropriate state of readiness on short notice.

(5) Be prepared to take immediate safety precautions and shelter.

b. Condition I. Activities in the Camp Lejeune area will continue without substantial operational or service interruption. Progressive actions toward preparing facilities, buildings, equipment, material, and personnel against the affects of thunderstorms will be ongoing.

- (1) Disseminate the setting of Condition I.
- (2) Ensure the completion of proper preparation and response actions.
- (3) Secure from field training as required.
- (4) Take immediate safety precautions and seek shelter.

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CHAPTER 5

DESTRUCTIVE WINDS

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CHAPTER 5

DESTRUCTIVE WINDS

5000. GENERAL. Winds of significant force may be generated by meteorological conditions other than thunderstorms and hurricanes. Windstorms may be associated with frontal passages, squall lines, and strong gradients around high pressure centers. The onset of strong winds from these events may be very sudden and treacherous, and last for several days with periods of brief and deceptive lulls.

5001. DEFINITIONS

1. Damaging winds. Sustained winds or gusts of 39 to 54 MPH (34-47 knots). Damaging winds cause damage to installations and injury to personnel primarily due to inadequate warning and/or preparation. Damaging winds cause harm by blowing over improperly secured equipment or facilities, and by debris being carried aloft and turned into missiles.
2. Destructive winds. Sustained winds or gusts of 55 MPH (48 knots) or greater. Destructive winds may cause damage from their force alone, in addition to damage caused by debris being carried aloft, even though adequate preparations have been made.
3. Gale. A non-tropical windstorm with wind speeds of 39 to 54 MPH (34-47 knots).
4. Storm. A non-tropical windstorm with wind speeds of 55 MPH (48 knots) or greater.
5. Hurricane force winds. Sustained winds at or above 74 MPH (64 knots).

5002. ADVISORIES

1. Small Craft Warning. A term used by the U.S. Navy and U.S. Weather Bureau to describe a category of wind force that will affect coastal, harbor, and inland waters only. The National Weather Services for the 5th and 6th Naval Districts issue such warnings whenever sustained wind velocities from 21-37 MPH (18-33 knots) are anticipated. As the name implies, this warning is intended to alert operators of small craft to take appropriate precautions to avoid damage to craft or injury to personnel.

2. Local Wind Warning. A warning issued by the MCAS, New River Weather Service to notify of potentially hazardous winds greater than 20 knots (sustained or gusts), not to be confused with coastal gale warnings. They are issued for MCAS and the information of the Camp Lejeune area to initiate appropriate precautions in daily, training, and recreational activities.

3. Gale Warning. Sustained winds of 39 to 54 MPH (34-47 knots), not associated with a tropical cyclone system, are expected in the warning area during the period stated (usually within 12 hours). Winds are steady and of sufficient force to cause heavy turbulence and high seas. This warning is primarily for marine interests. Gale warnings are issued for the North Carolina coastal areas and adjacent waters via message by Naval Eastern Oceanography Center, Norfolk, Virginia.

4. Storm Warning. Sustained winds of 55 MPH (48 knots or greater), not associated with a hurricane, are expected in the warning area during the period stated (usually within 12 hours).

5003. CONDITIONS

1. Destructive Wind Condition II. Destructive winds are reported or expected in the area within 6 hours.

2. Destructive Wind Condition I. Destructive winds are imminent or in progress within the area.

5004. COMMON TASKS

1. Preparation. The potential results of destructive winds are common to those listed in Chapter 1. All commands and personnel should plan accordingly.

2. Response and Recovery. Response and recovery operations, unless directed otherwise, will be per the guidance of Chapter 1, and involve the normal chain of command, emergency services, maintenance organizations, and procedures. At a minimum, in addition to the preparation and response requirements of Chapters 1 through 3, all Camp Lejeune area commands, key staff, and tenant units are required to accomplish the following for each condition:

a. Destructive Wind Condition II

(1) Disseminate the setting of Condition II.

(2) Initiate the progressive preparation of personnel, facilities, buildings, equipment, and material for the developing destructive weather situation per the guidance contained in Appendix I.

(3) Be prepared to secure from field training.

(4) Take precautions to ensure an appropriate state of readiness on short notice.

b. Destructive Wind Condition I. Activities in the Camp Lejeune area will continue without substantial operational or service interruption. Progressive actions toward preparing personnel, facilities, buildings, equipment, and material against the effects of destructive winds will be ongoing.

(1) Disseminate the setting of Condition I.

(2) Ensure the completion of proper preparation and response actions.

(3) Secure from field training as required.

(4) Take immediate safety precautions and seek shelter.